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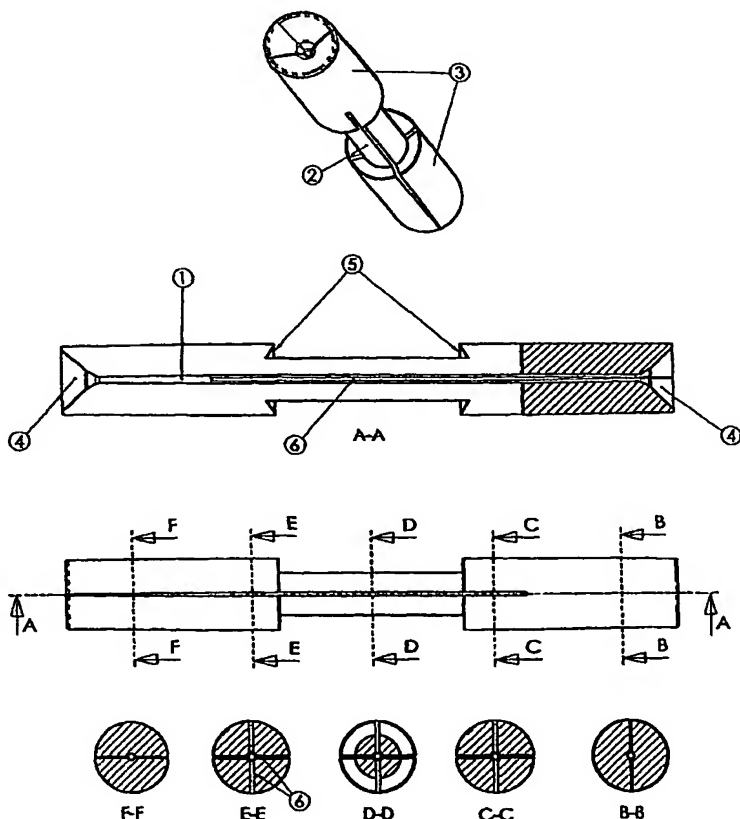
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[Continued on next page]

(54) Title: FLEXIBLE FERRULE DEVICE FOR CONNECTION OF OPTICAL FIBER AND USE THEREOF



(57) Abstract: An optical female connector assembly for connecting optical fibers for use in optical communication systems. A method for connecting the optical fibers using the ferrule connector assembly and the use of a tool are also disclosed. The optical ferrule connector assembly maintains the two optical fibers in an end-to-end alignment, with a minimal air layer in between the ends, using clamps (3) and end cones (4), in order to allow the light signal to be transmitted from one optical fiber to the other optical fiber with the minimal attenuation and reflection losses. Furthermore, the optical ferrule connector assembly comprises longitudinal slots (6) to provide flexibility to the connector assembly, therefore, preventing the crushing of the optical fibers.



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